

10 wherein in response to requests for the web page, generated by the client machines, the
11 web page including the modified embedded object URL is served from the first server and the
12 embedded object identified by the modified embedded object URL is served from a given one of
13 the repeater servers as identified by the repeater selector mechanism.

1 45. (Previously Amended) The hosting framework as described in claim 41 wherein
2 the repeater selector mechanism includes a network map for use in directing a request for the
3 embedded object generated by a client.

1 49. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the
3 framework includes: (A) a set of repeater servers, distinct from the origin server, for hosting at
4 least some of the embedded objects of web pages that are normally hosted by the origin server;
5 (B) a repeater server selector mechanism constructed and adapted to identify, for a particular
6 client machine, an appropriate repeater server from the set of repeater servers; and (C) a routine
7 for modifying at least one embedded object URL of a web page to resolve to the set of repeater
8 servers instead of the origin server; a method of serving a page and an associated page object,
9 wherein the page is stored on the origin server and copies of the page object are stored on the set
10 of repeater servers, the method comprising:

11 (a) modifying a URL for the page object to designate a repeater server instead of the
12 origin server;
13 (b) serving the page from the origin server with the modified URL;
14 (c) responsive to a browser query to resolve to the designated repeater server,
15 identifying a given one of the set of repeater servers from which the object may be retrieved; and
16 (d) returning to the browser an address of the identified repeater server to enable the
17 browser to attempt to retrieve the object from that server.

1 50. (Previously Amended) The method as described in claim 49 wherein the copies
2 of the page object are stored on a subset of the set of servers.

1 53. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the

3 framework includes: (A) a set of repeater servers, distinct from the origin server, for hosting at
4 least some of the embedded objects of web pages that are normally hosted by the origin server;
5 (B) a repeater server selector mechanism constructed and adapted to identify, for a particular
6 client machine, an appropriate repeater server from the set of repeater servers; and (C) a routine
7 for modifying at least one embedded object URL of a web page to resolve to the set of repeater
8 servers instead of the origin server; a content delivery service, comprising:

9 replicating a set of page objects across the set of repeater servers, wherein the set of
10 repeater servers are managed by a domain other than an origin server domain;

11 for a given page normally served from the origin server domain, modifying at least some
12 embedded objects of the page so that requests for the page objects resolve to the repeater domain
13 instead of the origin server domain;

14 responsive to a request for the given page received at the origin server domain, serving
15 the given page from the origin server domain; and

16 serving at least one embedded object of the given page from a given server in the repeater
17 server domain instead of from the origin server domain.

1 54. (Previously Amended) The content delivery service as described in claim 53
2 wherein the serving comprises:

3 for each embedded object, identifying one or more servers from which the embedded
4 object may be retrieved.

1 55. (Previously Amended) The service as described in claim 54 wherein an identified
2 server is selected from a set of repeater servers based on data identifying a requesting user's
3 location.

1 56. (Previously Amended) The service as described in claim 55 wherein an identified
2 server is selected from a set of repeater servers based on data identifying a requesting user's
3 location and on data identifying current costs between a group containing the requesting user and
4 the set of repeater servers.

1 57. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the

3 framework includes: (A) a network of repeater servers, distinct from the origin server, for
4 hosting at least some of the embedded objects of web pages that are normally hosted by the
5 origin server; (B) a repeater server selector mechanism constructed and adapted to identify, for a
6 particular client machine, an appropriate repeater server from the network of repeater servers;
7 and (C) a routine for modifying at least one embedded object URL of a web page to resolve to
8 the repeater server network instead of to the origin server; a method for Internet content delivery,
9 comprising:

10 at the origin server, modifying at least one embedded object URL of a page to designate
11 the repeater server network instead of a server normally used to retrieve the embedded object;

12 response to a request for the page issued from a client machine, serving the page with the
13 modified embedded object URL to the machine from the origin server;

14 responsive to a request for the embedded object, resolving the modified URL to an
15 address of a server in the repeater server network, that is not overloaded; and

16 attempting to serve the embedded object to the client from the server in the repeater
17 server network.

1 58. (Previously Amended) The method as described in claim 57 wherein the page is
2 formatted according to a markup language.

1 59. (Previously Amended) The method as described in claim 57 further including the
2 step of rewriting the embedded object URL as the modifies the page.

1 60. (Previously Amended) The method as described in claim 57 further comprising:
2 identifying a subset of repeater servers that may be available to serve the embedded
3 object based on a location of the client machine and data identifying current costs between a
4 group containing the requesting client machine and a set of repeater servers; and
5 identifying the repeater server from the subset of repeater servers.

1 61. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the
3 framework includes: (A) a network of repeater servers, distinct from the origin server, for
4 hosting at least some of the embedded objects of web pages that are normally hosted by the

5 origin server; (B) a repeater server selector mechanism constructed and adapted to identify, for a
6 particular client machine, an appropriate repeater server from the set of repeater servers; and (C)
7 a routine for modifying at least one embedded object URL of a web page to resolve to the set of
8 repeater servers instead of the origin server; a content delivery method, comprising:

9 distributing a set of page objects across the network of repeater servers, wherein the
10 network of repeater servers are managed by a domain other than an origin server domain;

11 for a given page normally served from the origin server domain, modifying at least some
12 of the embedded objects of the page to designate a repeater server domain so that requests for the
13 objects resolve to the repeater server domain instead of the origin server domain; and

14 in response to a client request for an embedded object of the page:

15 returning to the client an address of a given one of the repeater servers within the
16 repeater domain that is likely to host the embedded object and that is not overloaded.

51
1 62. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the
3 framework includes: (A) a set of repeater servers, distinct from the origin server, and in a second
4 domain distinct from an origin server domain for hosting at least some of the embedded objects
5 of web pages that are normally hosted by the origin server; (B) a repeater server selector
6 mechanism constructed and adapted to identify, for a particular client machine, an appropriate
7 repeater server from the set of repeater servers; and (C) a routine for Modifying at least one
8 embedded object URL of a web page to resolve to the set of repeater servers instead of the origin
9 server; a content delivery method, comprising:

10 tagging causing an embedded object in a page to resolve to the second domain other than
11 an origin server domain by rewriting a URL supplied by the origin server to generate a different
12 resource locator which designates a repeater server in the second domain instead of the origin
13 server;

14 serving the page with the different resource locator from the origin server;

15 resolving the different resource locator to identify a repeater server in the second domain;

16 and

17 serving the embedded object from the identified repeater server.

1 63. (Previously Amended) The method as described in claim 62 wherein the
2 identified server is selected from a set of repeater servers based on a function of a requesting
3 user's location and on data identifying current costs between a group containing the requesting
4 user and the repeater servers.

1 64. (Cancelled)

1 65. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the
3 framework includes: (A) a network of repeater servers, distinct from the origin server, for
4 hosting at least some of the embedded objects of web pages that are normally hosted by the
5 origin server; (B) a repeater server selector mechanism constructed and adapted to identify, for a
6 particular client machine, an appropriate repeater server from the set of repeater servers; and (C)
7 a routine for modifying at least one embedded object URL of a web page to resolve to the set of
8 repeater servers instead of the origin server; a content delivery service, comprising:

9 replicating a set of page objects across the network of repeater servers;

10 for a given page normally served from the origin server, tagging modifying at least one
11 embedded object of the page so that requests for the page object resolve to one of the repeater
12 servers instead of to the origin server;

13 responsive to a request for the given page received at the origin server, serving the given
14 page from the origin server; and

15 serving at least one embedded object of the given page from a repeater server instead of
16 from the origin server.

1 66. (Previously Amended) A service as in claim 65 wherein the origin server and the
2 repeater servers are in different domains.

1 69. (Previously Amended) In a distributed hosting framework operative in a
2 computer network in which users of client machines connect to an origin server, wherein the
3 framework includes: (A) a wide area network of repeater servers, distinct from the origin server,
4 for hosting at least some of the embedded objects of web pages that are normally hosted by the

5 origin server; (B) a repeater server selector mechanism constructed and adapted to identify, for a
6 particular client machine, an appropriate repeater server from the set of repeater servers; and (C)
7 a routine for modifying at least one embedded object URL of a web page to resolve to the set of
8 repeater servers instead of the origin server; a content delivery service, comprising:

9 replicating a set of page objects across the wide area network of repeater servers;
10 for a given page normally served from the origin server, modifying at least one embedded
11 object of the page so that requests for the page objects resolve to one of the repeater servers
12 instead of to the origin server;

13 in response to a request for the given page received at the origin server, causing the given
14 page to be served from the origin server; and

15 serving at least one embedded object of the given page from a repeater server instead of
16 from the origin server.